

The Integrated Stress Response (ISR)

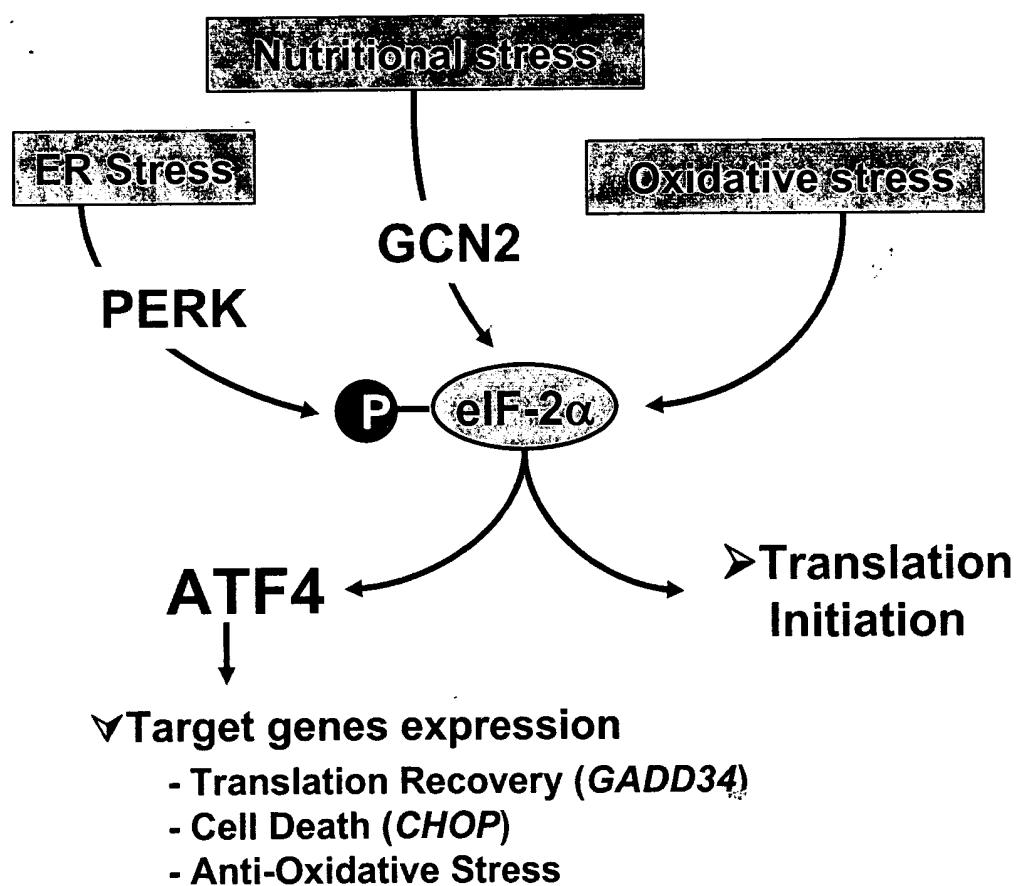


FIGURE 1

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,
AN eIF2 α -SPECIFIC PHOSPHATASE SUBUNIT.

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5986/1L712US1
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1      ATTTTGGGCT TCGCTTCCAC CGCACCAGCC GGCCTACCCA GTCCTTCCGG TATCGCGTTG
61     CTCAGGGGCT TTTCAACCCT CTGTCAAGTCG GAAAACCATC GCCGAGGCCG TGGGGGGACT
121    CCTATCCATG GTGTTGAAGC GTCGAGCCGA CTAGGGAACC TCCTTCCCCG CCAGGATGGA
181    AGTCGCATCA GTCGCCGCCT ATTGCGCGGG CTGTTCTTCC CTGTGTTCTG CCGCCCCGCTG
241    CCGCATTTCG TGCCCTCTGT GGCTTTTCTG CTGGCTCGAA GATCGGCCTG GAGCAGCGAC
301    GCCACCGCTG GGCAAGGCCG AGACTCTGTA GGCTTCCTCC GAATCCCGTC GACCTCCAGC
361    CGCTGAGCGC CGCGGCCCTA CCTGAGAGAC TGTCAAGAAA AAGGAGATGG AGCCGGGGAC
421    AGGCGGATCG CGGAAACGGC TTGGCCCTCG GGCGGGCTTC CGGTTCTGGC CACCCTTTTT
481    CCCTCGGCGA TCGCAAGCAG GCTCTTCTAA GTTCCCGACG CCTCTTGGCC CGGAAAACTC
541    CGGGAACCCC AACTGCTTTT CCTCTGCCCA GCCCGAGACT CGGGTCAGTT ACTGGACGAA
601    ACTGCTCTCC CAGCTCCTTG CGCCGCTCCC CGGATTGCTT CAGAAGGTGC TAATTTGGAG
661    CCAACTTTTC GGTGGAATGT TTCCGACCAG ATGGCTAGAT TTTGCTGGAG TCTACAGCGC
721    CCTGAGAGCC CTGAAGGGAC GGGAGAAACC AGCCGCCCCC ACAGCGCAGA AATCTTTGAG
781    TTCGCTGCAG CTCGACTCCT CAGACCCCTC GGTCACCAGT CCCCTTGATT GGCTAGAGGA
841    GGGGATCCAC TGGCAATACT CGCCCCCAGA CCTAAAATTG GAGCTTAAGG CCAAGGGAAG
901    TGCTTTGGAC CCTGCAGCAC AGGCTTTTCT CTTAGAGCAG CAGCTGTGGG GAGTGGAGCT
961    GTTGCCAGT AGCCTTCAAT CCCGTCTGTA CTCTAACCGG GAACTTGGCT CTTCGCCCTC
1021   TGGGCCTCTA AACATTCAAC GCATAGACAA TTTCAGTGTG GTATCCTATT TGCTGAACCC
1081   TTCCTACCTG GACTGCTTTC CTAGGCTAGA AGTCAGCTAT CAGAACAGTG ATGGAAATAG
1141   CGAGGTAGTC GGCTTCCAGA CACTAACCCC AGAGAGCAGC TGCCTGAGAG AGGACCATTG
1201   TCATCCCCAG CCGCTGAGTG CAGAACTCAT TCCGGCCTCG TGGCAGGGAT GTCCACCTCT
1261   TTCTACGGAA GGCCTACCAG AAATTCACCA TCTTCGCATG AAACGGCTGG AATTCCTTCA
1321   ACAGGCTAAC AAGGGGCAAG ATTTACCCAC CCCTGACCAG GATAATGGCT ACCACAGCCT
1381   GGAGGAGGAA CACAGCCTTC TCCGGATGGA TCCAAAACAC TGCAGAGATA ACCCAACACA
1441   GTTTGTTCCT GCTGCTGGAG ACATTCCTGG AAACACCCAG GAATCCACTG AAGAAAAAAT
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FIGURE 2A

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,
AN eIF2 α -SPECIFIC PHOSPHATASE SUBUNIT.

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1501 AGAATTATTA ACTACAGAGG TTCCAATTGC TTTGGAAGAA GAGAGCCCTT CTGAGGGCTG
1561 TCCATCTAGT GAGATACCTA TGGAAAAGGA GCCTGGAGAG GGCCGAATAA GTGTAGTTGA
1621 TTACTCATAC CTAGAAGGTG ACCTTCCCAT TTCTGCCAGA CCAGCTTGTA GTAACAAACT
1681 GATAGATTAT ATTTTGGGAG GTGCATCCAG TGACCTGGAA ACAAGTTCTG ATCCAGAAGG
1741 TGAGGATTGG GATGAGGAAG CTGAGGATGA TGGTTTTGAT AGTGATAGCT CACTGTCAGA
1801 CTCAGACCTT GAACAAGACC CTGAAGGGCT TCACCTTTGG AACTCTTTCT GCAGTGTAGA
1861 TCCTTATAAT CCCCAGAACT TTACAGCAAC AATTCAGACT GCTGCCAGAA TTGTTCTCTGA
1921 AGAGCCTTCT GATTCAGAGA AGGATTTGTC TGGCAAGTCT GATCTAGAGA ATTCTCCCA
1981 GTCTGGAAGC CTTCTGAGA CCCCTGAGCA TAGTTCTGGG GAGGAAGATG ACTGGGAATC
2041 TAGTGCAGAT GAAGCAGAGA GTCTCAAAC GTGGAAC TCA TTCTGTAATT CTGATGACCC
2101 CTACAACCTT TTAAATTTTA AGGCTCCTTT TCAAACATCA GGGGAAAATG AGAAAGGCTG
2161 TCGTGACTCA AAGACCCCAT CTGAGTCCAT TGTGGCCATT TCTGAGTGTC ACACCTTACT
2221 TTCTTGTAAG GTGCAGCTGT TGGGGAGCCA AGAAAGTGAA TGTCCAGACT CGGTACAGCG
2281 TGACGTTCTT TCTGGAGGAA GACACACACA TGTCAAAGA AAAAAGGTAA CCTTCCTTGA
2341 AGAAGTTACT GAGTATTATA TAAGTGGTGA TGAGGATCGC AAAGGACCAT GGAAGAATT
2401 TGCAAGGGAT GGATGCAGGT TCCAGAAACG AATTCAAGAA ACAGAAGATG CTATTGGATA
2461 TTGCTTGACA TTTGAACACA GAGAAAGAAT GTTTAATAGA CTCCAGGGAA CATGCTTCAA
2521 AGGACTTAAT GTTCTCAAGC AATGTTGAGT TGGCAGCCTG TAGTCCTAGC TAGCATACAC
2581 TACCTCTTAC CTGAGAGGTG TCTTTTAAAA ACAATCTTG GCAGCTGTCC TTTGACATTT
2641 TTTTTTTTAG AGGAAATGTA ACTTGATCT AGTTTAATTT TTTTTTTTGC AACATATCCC
2701 ACTCAGAAAC ATTCAGGTTT GAAGCCAGCC CTGATAATGA AGGATGAACT AGTGTGATTT
2761 CTAATCCTCC CTTTTTTGAT TTAGTTGGAT GTGCTTTTAA ATGTCCTTTG CCTGCATGAG
2821 GTGGAAAGGG GACCTTTTTG AGTTGTCATT TTGCACTTTC AAAACTTATT TTCTTGGA
2881 ACAATATTTA TAGGGCTTAA AGCCCATTTT CATTTCTAAT CTAAATTATG TGTGCCTATC
2941 TG

FIGURE 2B

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,
AN eIF2 α -SPECIFIC PHOSPHATASE SUBUNIT.

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1 MEPGTGGSRK RLGPRAGFRF WPPFFPRRSQ AGSSKFPTPL GPENSGNPTL LSSAQPETRV
61 SYWTKLLSQL LAPLPGLLQK VLIWSQLFGG MFPTRWLDFA GVYSALRALK GREKPAAPTA
121 QKSLSSLQLD SSDPSVTSPL DWLEEGIHQW YSPDCLKLEL KAKGSALDPA AQAFLLEQQL
181 WGVELLPSSL QSRLYSNREL GSSPSGPLNI QRIDNFSVVS YLLNPSYLDL FPRLEVSQYN
241 SDGNSEVVGF QTLTPESSCL REDHCHPQPL SAELIPASWQ GCPPLSTEGE PEIHHLRMKR
301 LEFLQQANKG QDLPTPDQDN GYHSLEEEHS LLRMDPKHCR DNPTQFVPAA GDIPGNTQES
361 TEEKIELLTT EVPLALEEES PSEGCPSEI PMEKEPGEGR ISVVDYSYLE GDLPI SARPA
421 CSNKLIDYIL GGASSDLETS SDPEGEDWDE EAEDDGFDSL SSLSDSDLEQ DPEGLHLWNS
481 FCSVDPYNPQ NFTATIQTAA RIVPEEPSDS EKDLGKSDL ENSSQSGSLP ETPEHSSGEE
541 DDWESSADEA ESLKLWNSFC NSDDPYNPLN FKAPFQTSGE NEKGCRDSKT PSESIVAISE
601 CHTLLSCKVQ LLGSQESECP DSVQRDVLG GRHTHVKRKK VTFLEEVTEY YISGDEDRKG
661 PWEFARDGC RFQKRIQETE DAIGYCLTFE HRERMFNRLQ GTCFKGLNVL KQC...713

FIGURE 3

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,
AN eIF2 α -SPECIFIC PHOSPHATASE SUBUNIT.

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1      CGGTCCTCCG TCTCGCCCTG CAGCTTCCGG GTGTGCGGCT GCGGCCATTT TGAGCTTCGC
61     TTCTTTGCGC CCTCGCCTGC CACCCAGCCA CCCTTTCCGC CTTGGCGTTT CGCGCCTCCG
121    TGCGGGCCAC CGGAAACGCC GCCGTCTGTCT CCGTCGCCGC CGCGCGAGGG AGGGTCTTCT
181    CTATGGTGGA GCGATCTCAC ACGGCCTAGG ACGTCTCCTT CCCTAGCCGG GATGGACCTA
241    ACCGCGGTCT CCACCGCTTG CGCGGGCCTC TGGGCCGTCC GGTGCAGCAC TCGTTGCGGA
301    AGCCGCCGCT CTCTGGGCCT CCTCTGCCGG CGCGGGAATC GGAAGTGCAGT ACCCACTCCG
361    TGGCTGGGCA AGGCGGAGAC TGTGTAGACC TCGGATCCAG CCTGCGCTGA CGCCGCTGAG
421    CTCTGTCTCT CTCCTGTCTG AGAAGCCGCC AAGGAAAGGA GATGGAGACA GGAACGCACA
481    GGGCCCGGAA GCGGCCTGGC CCTCGGCTGG GCTCCTGGTT CCGGCTGCCC TTCCTTCGGC
541    GATCGCACGC CTGCTCTTCG GAGTTCCCGC CGCCTTCCTC TCGACAAAAT CCCGGGAAGT
601    CCGCTCTGCC CGAGCGTCGG ACCAGGTACT GGACCAAATT GCTTTCTCAG CTCCTTGCCC
661    TGCTCCCTAG CCTATTCCAG AAGCTGCTGC TTTGGAGCCA GCTTTCCGGG GGCCTGATTC
721    CTACCAGATG GCTAGATTTT GCCGCAAGTT ACAGCGCCCT GAGAGCTTCG AGAGGACGGG
781    AGGAATCTGA CGCTCCCACG GTGCAGAAGT CTCTGAGTTA CACTGCGGCT GGAAGTCTTCG
841    CGAAGACTCG CGTCGTCAGT ACTCTTGTCAT TGGCTAGAGG AGGGACTCCA GTGGCAGTGC
901    TCGTCCTCAG ACTGGAAGTT AAACTCAAGG CCCAGGAAAG AGCTTTAGAC TCTGCAGCGC
961    CCACTTTCCT CCTGGAGCAG CAGCTGTGGG GAGTGGAGTT GCTGCCCAGT AGCCTTCAAG
1021   CTGGTCTAGT CTCCCACCGA GAACTTGACT CTTTCATCCTC TGGGCCTCTG AGCGTTTCTG
1081   GCTTAGGTAA TTTCAAGGTA GTTTCCTATC TCCTGAACCC TTCCTACCTG GACTACCTTC
1141   CCCAGTTAGG GCTGCGCTGT CAGAGCAGCG CTGGAGGTGG CCAGTTTGTG GGTTCCTGAA
1201   CACTAACCCC AGAGAGCTGC TATCTTTCTG AAGATGGTTG TCACCCTCAG CCGTTGCGGG
1261   CAGAGATGTC GGCAACCGCC TGGAGAAGGT GTCCGCCTCT CTCTACAGAA GGCCTGCCGG
1321   AAATCCACCA CCTTCGTATG AAACGGCTAG AATTCCTCCA GGCTAACAAA GGGCAAGAGT
1381   TACCCACCCC TGACCAAGAT AATGGCTATC ATAGCCTGGA GGAGGAACAT AACCTTCTCC
1441   GGATGGACCC ACAACATTGC ACAGATAACC CAGCACAGGC GGTGTCCCCT GCTGCAGACA

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FIGURE 4A

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,
AN eIF2 α -SPECIFIC PHOSPHATASE SUBUNIT.

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1501 GGCCGGAGCC CACTGAGAAA AAACCAGAAT TGGTGATTCA AGAAGTTTCA CAGAGCCCCC
1561 AGGGAAGCAG TCTGTTTTGT GAATTACCCG TGGAAAAAGA ATGTGAAGAG GACCACACTA
1621 ATGCAACTGA CCTCTCAGAT AGAGGAGAGA GCCTTCCTGT TTCTACCAGA CCAGTTTGTA
1681 GCAACAAACT GATAGATTAT ATTTTGGGAG GCGCCCCCAG TGA~~CT~~TGGAA GCCAGCTCTG
1741 ATTCTGAAAG TGAGGATTGG GGCGAGGAAC CTGAGGACGA TGGCTTTGAT AGCGATGGCT
1801 CCCTGTCTGA ATCAGACGTG GAACAGGACT CGGAAGGCCT TCACCTTTGG AACTCTTTCC
1861 ACAGTGTAGA TCCTTACAAA CCCC~~AAA~~ACT TTACAGCCAC GATT~~CAG~~ACG GCTGCCAGAA
1921 TTGCCCCCAG AGACCCATCA GATT~~CAG~~GGA CATCCTGGTC TGGCAGCTGT GGTGTAGGGA
1981 GCTGTCAGGA GGGACCCCTT CCGGAGACCC CCGACCATAG TTCCGGGGAG GAAGATGACT
2041 GGGAACCGAG TGCAGATGAA GCAGAGAATC TTAAATTGTG GA~~ACT~~CTTTC TGTCATTCTG
2101 AGGACCCCTA CAACCTTTTA AATTTTAAGG CTCCTTTTCA ACCGTCAGGG AAGAATTGGA
2161 AAGGCCGTCA GGA~~CT~~CAAAG GCCTCTTCTG AGGTCACAGT GGCCTTCTCT GGCCATCATA
2221 CCTTACTTTC TTGTAAGGCC CAGCTGTTAG AGAGCCAAGA AGATAATTGT CCAGGCTGTG
2281 GGCTGGGTGA GGCTCTTGCT GGAGAAAGAT ACACCCATAT CAAGAGAAAA AAGGTAACCT
2341 TCCTGGAAGA AGTTACTGAG TATTATATAA GTGGTGATGA GGATCGCAAA GGACCATGGG
2401 AAGAATTTGC AAGGGATGGA TGCAGGTTCC AGAAACGAAT TCAAGAAACA GAAGTTGCCA
2461 TTGGCTACTG CTTGGCCTTT GAGCACAGAG AAAAAATGTT TAATAGACTG AGGATCGAGT
2521 CAAAGGACTT ACTGTTGTAC AGCAATGTTA AGAAGTGAAC AGCCTGCAAC CCGTGCCAC
2581 TCTGTCTCTT ACTTGAGAGT TTCCCTTAAA AACAAACACT GGCAGCTGTC CTTGGACATG
2641 TTTT~~T~~AAAGA AACAACTTGT ATCTAGAGAT GCAGTTTGAT TATTTTGGG TAATGTGTCT
2701 CATTAGAAAC ACCAACTCCG ATAATGAAGA ATCTCTTATC TGTAATCCTC TCTTTTCCTA
2761 TTTAGTTGGA TGTGGGTTTT GTCTTTTGA GAGGGTCTCA CTGCATAATT CTGTTTGGCC
2821 TAGGTCTATG TATGTAGACC AGGTTGGCCT TGAAGTTGGT ATTTCCCTGC CTCTGTTTCC
2881 TGTGCCACCA TGCCCAGCTG GAAGTGT~~TTT~~ TAAATATCCT CTGCTTACCT GGGGTGAGAG
2941 TTTAATTTTG CACTTTCAA~~A~~ ACGTTTCTTC TGGAGGCAGG GGCTGGTCTG GTTTACATAC
3001 AGGCTTCAGG CCAGCTAGGG CTATGTGGTG AGACCTAGTC TTAGAGGACA AACAGAACAA

FIGURE 4B

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,
AN eIF2 α -SPECIFIC PHOSPHATASE SUBUNIT.

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3061 AACAGTCAGG TTACTGTGGA AACTGAGGCA GGAGGATAGG AAGGTCCAGG TATGCCTGGA
3121 ACTCAGTGAA CTCTGAACTC AAGGCCAGCA TGGGGAGTTT AGCAAGACCT TTTTACACTC
3181 AGAATGGAAA AGGAAGCTGG GGATATAGCT CGGTAGCAGA GGCCCCTGCC TACATGTGCA
3241 AGGTCCTGGG TTCAGTCCCC AGTACTGCAA ATAGAAAGAA AAAACATTGT CTTGGATAAC
3301 TATAAGGTTT AAGCCTCATA GTCAGTTCTA ACTCAAATTA TGCATGCATT GAGTTCCTGT
3361 GTGCTTTTTT TGTTCTAAAA TTAATGGGCT TTATGGGTTT TGTTTTTTGT TGTTTTTATG
3421 TCTGTTATAT TTTGAGGTAG GGGATTGAGG CAGGGTCTCA CTGTGGCCTT GAGCTCATGG
3481 CAGTTTTCTT GCTTCAACTG AGTGTTTTGG TTTGTTTGTG TTTGTGTTTT TTTACTTTCA
3541 TAGATTTGAC TTAATGAAGG CAAAAACCTG TTATCAACCT AAAAGACATT GATGTGTCAC
3601 TTCAGTGGTG GATTTTCTCC CTCTTTTTTT TTTTCCCCCA GAGCTGAGGA CCAAACCCAG
3661 GGCTTTGCAC TTGCTAGGCA AGCGCTCTAC CACTGAGCTA AATCCCCAAA CCACCCCCC
3721 CCCTTTTCTT TTTTAAAGA CATGGTCTTA TATAGTCTAG GCTGGCCTTA AACTCATTAC
3781 TTAGCCAAGG ATGGCTTTGA AAGATCCTCC TGTCTCTTG TTTGGCTTGC ACATGGCATG
3841 TGCCATACAT CCAGATTTTT CTCTGTATCT AGGTCTTTTT AAGATATTTT CAAGGACTGC
3901 CCACAAATCC ACAGTGCAGT ACTTTCTTGA CTGGGAAAGC GGGGTTGGTG TGCTTTTCAA
3961 AGGCACACAC CATTATGCCC AGCTGGTCTG CCAAACCTAA CATATTTGGT TTCTGTGCAA
4021 ACTGTCCATT TGGAAGGTTT CTGTGTGTTG TAGTTTCAGT TGAATGTGGC TCTCTGTAGC
4081 TTTCAAGAAT GGGTAGAAAT CATAAAGCAC TCTTAAGTAA TCATTGCATT GTAGACATTT
4141 TTTTTTTTTT ACTAGGGGGT ATTTGGGAGA CATGTCAGAT ATTCACTTTT GTTTTATGTG
4201 TCTTAAACCC AGTGTTACTT ACACCCTGCC TCAGCACTGG CACTTTTCAA ACCTGTCTTG
4261 GAGACACTGT AAACCTGGAT GGTGCAGTTC TGGGTTTTCA TGTGTAAAAT GTCAACTACA
4321 AAGGTCAATA TCCAGGTTTG TTGTGTTCTA CCTTATGTAG AGAGAAGCAA AGCAGAAAGG
4381 GCAGATAGAG CAGCCAGAAA GTGCTAGTGT CCCCCCAA GCGTGCTTCT AGATAGTGTG
4441 TGGATCAGGT GTGCTTGGTT TGTTCAGTTA GCGTCACCTG TTGTGCATGG TTGAGGTAAT
4501 GTGTTACCAG TTCTTTAGTG GTTACATGCA CAAAAGAGAG GACCTCTGAG TCGGGTGTGG
4561 GATGAGCTTT CCAGACCTGG CAGGGTAAAC TACCTCAGTT TATAATCTCC CTGGTTATTT

FIGURE 4C

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,
AN eIF2 α -SPECIFIC PHOSPHATASE SUBUNIT.

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4621  CCGTTTGATG TGATCTAAGG TCTGCCTCAG TGGTGATGAT GTTCATCCAC ACACAAGGTT
4681  AGTAAGAGTG CACGACCAGA AACGTTGGTC TTATTTTTGA GAACCCCCAT TTCTGTGTAT
4741  TTTATGCACC TGCCTTTAGT GAACTCCAGA GTGCATTAAA GAGTCTGGTT TAGTGCCGTG
4801  GGAATGGGCT AGTTTAGAAG CTATGTTTGG AAAGCAGGCA AGTTGACTTT AGGAAGAAAA
4861  GCTGTGACAG TGTGTAGACA TTTCTTTTAA ACCGGACTGC AGCTTAACAA CACTTGATTT
4921  CAGATGATTA GGTTTTTGTT TCTGAGACCC AGCACCTGTA TATTTAAAAA TTGTTCCAGA
4981  TTACACCTTC ACTATCAAAT GAGTAAATGA CTCATGCCTG CAGACATGTC CTGATGGTGG
5041  CAAGAACAGA AGGATCTTTG ACTGAAGGAG AAAAAGTGTG ATTGTCATCC CAGCCCCCAG
5101  GAAAGAACAC CTCCAAGGCA GGCAGGCAGG CAGGCAGGCA TGGTGGTTCT AGTTGAATAC
5161  ACATTCAAGT CTTGCAGTGG TGCTTTAGAT CTGTGTAGCA TGTGAGGCTC TGTACAGGTG
5221  GGGGCCACAC TTCTGAGGGC TGAAATGTGG CAACCCTTTA TCTAACTTGA AATCAAAACC
5281  GTCAAATTTT ATTTTTTATA ATTTAAGAAA GAGTTGGGGA ATGACATTTT TTGAGTTGGC
5341  CTTTTTCAGCT CAGTCATTTT ACGTGTAACG TGGAGATTG ATAGCTCAGA TTATATTTGT
5401  ATATAATTAT TAACTAATCT GTAAATTGTA ATAAATATAT TTGCAATTAT TAAAAAAAAA
5461  AAAAAAAAAA.. 5468
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FIGURE 4D

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,
AN eIF2 α -SPECIFIC PHOSPHATASE SUBUNIT.

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1 METGTHRARK RPGPRLGSWF RLPFLRRSHA CSSEFPPSS RQNPGENSALP ERRTRYWTKL
61 LSQLLALLPS LFQKLLLWSQ LSGGLIPTRW LDFAASYSAL RASRGREESD APTVQKSLSY
121 TAAGLFAKTR VVSTLALARG GTPVAVLVLR LEVKLKAQER ALDSAAPTFL LEQQLWGVEL
181 LPSSLQAGLV SHRELDSSSS GPLSVQSLGN FKVVSYLLNP SYLDYLPQLG LRCQSSAGGG
241 QFVGFRITLTP ESCYLSGDC HPQPLRAEMS ATAWRRCPPL STEGLPEIHH RMRWLVLFLQ
301 PNQGQDLPTL DQDNGYHSLE EEHNLLRMDP QHCTDNPAQA VSPAADRPEP TEKKPELVIO
361 EVSQSPQGSS LFCPLPVEKE CEEDHTNATD LSDRGESLPV STRPVCSNKL IDYILGGAPS
421 DLEASSDSES EDWGEEPEDD GFDSGSLSE SDVEQDSEGL HLWNSFHSVD PYKPQNFTAT
481 IQTAARIAPR DPSDSGTSWS GSCGVGSCQE GPLPETPDHS SGEEDDWEPS ADEAENLKLW
541 NSFCHSEDPIY NLLNFKAPFQ PSGKNWKGRQ DSKASSEVTV AFSGHHTLLS CKAQLLESQE
601 DNCPCGCLGE ALAGERYTHI KRKKVTFLEE VTEYYISGDE DRKGPWEEFA RDGCRFQKRI
661 QETEVAGIYC LAFEHREKMF NRLRIESKDL LLYSNVKK..698

FIGURE 5

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,
AN eIF2 α -SPECIFIC PHOSPHATASE SUBUNIT.

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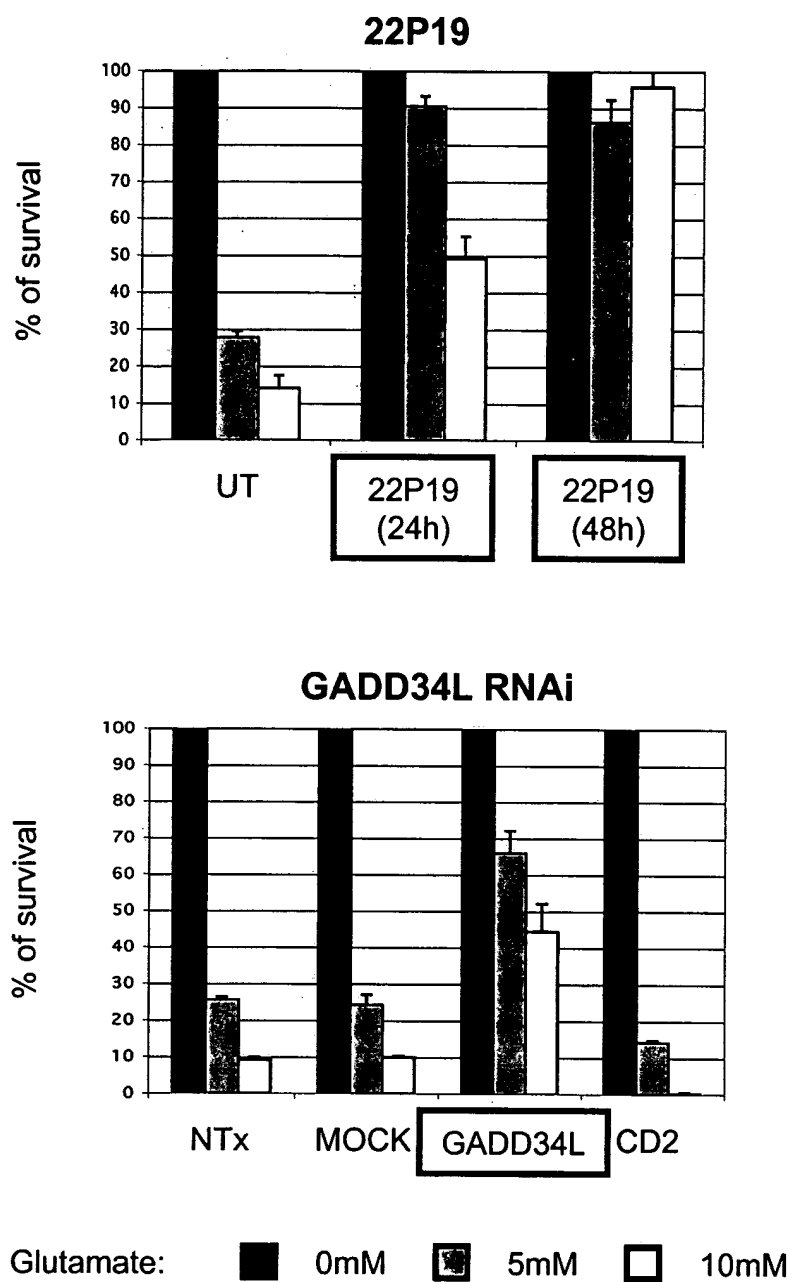


FIGURE 6

METHODS OF SCREENING TEST COMPOUNDS USING GADD34L,
AN eIF2 α -SPECIFIC PHOSPHATASE SUBUNIT.

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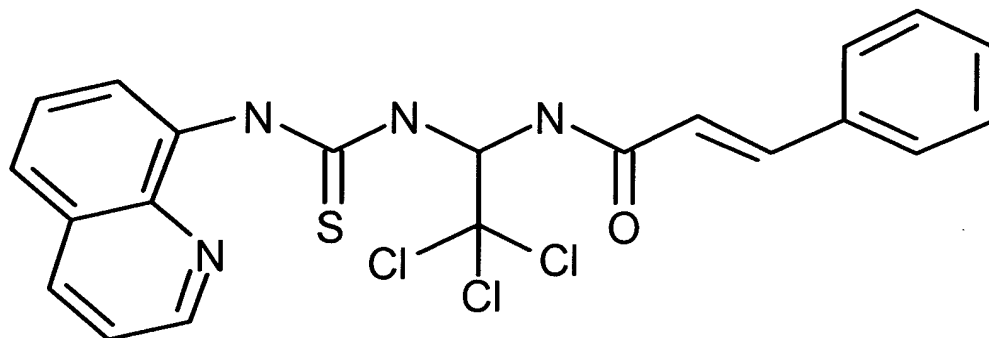


FIGURE 7